

EPA		FORM R		TRI Facility ID Number	
United States Environmental Protection Agency		Section 313 of the Emergency Planning and Community Right-to-know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act.		77532PNNWL18000	
				Toxic Chemical, Category, or Generic Name	
				tert-Butyl alcohol	
WHERE TO SEND COMPLETED FORMS:		1. TRI Data Processing Center P.O. Box 10163 Fairfax, VA 22038		2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)	
This section only applies if you are revising or withdrawing a previously submitted form, otherwise leave blank:		Revision (Enter up to two code(s)) [][]		Withdrawal (Enter up to two code(s)) [][]	
Important: See Instructions to determine when "Not Applicable (NA)" boxes should be checked.					
Part I. FACILITY IDENTIFICATION INFORMATION					
SECTION 1. REPORTING YEAR : 2016					
SECTION 2. TRADE SECRET INFORMATION					
2.1 Are you claiming the toxic chemical identified on page 2 trade secret? [] Yes (Answer question 2.2; attach substantiation forms) [X] NO (Do not answer 2.2; go to Section 3)		2.2 Is this copy [] Sanitized [] Unsanitized (Answer only if "Yes" in 2.1)			
SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)					
I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.					
Name and official title of owner/operator or senior management official:		Signature:		Date Signed:	
Stacy Dorsey HES Manager		Reference Copy: Copy of Record Resides in CDX		2017-06-30	
SECTION 4. FACILITY IDENTIFICATION					
4.1		TRI Facility ID Number		77532PNNWL18000	
Facility or Establishment Name ARKEMA INC					
Street 18000 CROSBY EASTGATE RD		Mailing Address (if different from physical street address)			
City/County/Tribe/State/ZIP Code CROSBY / Harris / BIA Code: / TX / 77532		City/State/ZIP Code / /		Country (Non-US)	
4.2 This report contains information for : (Important: check a or b; check c or d if applicable)		a. [X] An Entire facility		b. [] Part of a facility	
				c. [] A Federal facility	
				d. [] GOCO	

4.3	Technical Contact name	CAROLYN HERVEY		Email Address CAROLYN.HERVEY@ARKEMA.COM		Telephone Number (include area code and ext.) 281-328-9430	
4.4	Public Contact name	STACY DORSEY		Email Address STACY.DORSEY@ARKEMA.COM		Telephone Number (include area code and ext.) 281-328-9422	
4.5	NAICS Code(s) (6 digits)	a. 325199 (Primary)	b.	c.	d.	e.	f.
4.6	Dun and Bradstreet Number(s) (9 digits)						
	a. 002290773						
	b.						
SECTION 5. PARENT COMPANY INFORMATION							
5.1	Name of U.S. Parent Company (for TRI Reporting purposes)	ARKEMA DELAWARE INC				No U.S. Parent Company (for TRI Reporting purposes) []	
5.2	Parent Company's Dun & Bradstreet Number	NA []	622121697				

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EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION		TRI Facility ID Number 77532PNNWL18000	
		Toxic Chemical, Category, or Generic Name tert-Butyl alcohol	

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you are reporting a mixture component in Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.) 000075650
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.) tert-Butyl alcohol
1.3	Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive). NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, spaces, and punctuation.) NA
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SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. <input checked="" type="checkbox"/> Produce b. <input type="checkbox"/> Import		
If produce or import: c. <input type="checkbox"/> For on-site use/processing d. <input type="checkbox"/> For sale/distribution e. <input checked="" type="checkbox"/> As a byproduct f. <input type="checkbox"/> As an impurity	a. <input type="checkbox"/> As a reactant b. <input type="checkbox"/> As a formulation component c. <input type="checkbox"/> As an article component d. <input type="checkbox"/> Repackaging e. <input type="checkbox"/> As an impurity	a. <input type="checkbox"/> As a chemical processing aid b. <input type="checkbox"/> As a manufacturing aid c. <input type="checkbox"/> Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05 (Enter two-digit code from instruction package.)
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SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (Enter code)	C. Percent from Stormwater
5.1	Fugitive or non-point air emissions	NA []	321	E1	
5.2	Stack or point air emissions	NA []	3	E1	
5.3	Discharges to receiving streams or water bodies (Enter one name per box)	NA [X]			
Stream or Water Body Name		Reach Code (optional)			
5.3.1	NA				

*For Dioxin and Dioxin-like Compounds, report in grams/year

**Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999
pounds.

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EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)		TRI Facility ID Number	
		77532PNNWL18000	
		Toxic Chemical, Category, or Generic Name	
		tert-Butyl alcohol	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE (Continued)			
	NA	A. Total Release (pounds/year*) (Enter range code** or estimate)	B. Basis of Estimate (Enter code)
5.4-5.5	Disposal to land on-site		
5.4.1	Class I Underground Injection wells	[] 69120	E1
5.4.2	Class II-V Underground Injection wells	[X]	
5.5.1.A	RCRA subtitle C landfills	[X]	
5.5.1.B	Other landfills	[X]	
5.5.2	Land treatment/application farming	[X]	
5.5.3A	RCRA Subtitle C surface impoundments	[X]	
5.5.3B	Other surface impoundments	[X]	
5.5.4	Other disposal	[X]	

SECTION 6. TRANSFER(S) OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS	
6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)	NA [X]

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EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)						TRI Facility ID Number			
						77532PNNWL18000			
						Toxic Chemical, Category, or Generic Name			
						tert-Butyl alcohol			
SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS						NA []			
6.2.1 Off-Site EPA Identification Number (RCRA ID No.)						TXR000023085			
Off-Site Location Name:						BFI GULF WEST LANDFILL			
Off-Site Address:						2601 JENKINS RD			
City	ANAHUAC	County	Chambers	State	TX	ZIP	77514	Country (Non-US)	
Is location under control of reporting facility or parent company?						[] Yes [X] No			
A. Total Transfer (pounds/year*) (Enter range code** or estimate)		B. Basis of Estimate (Enter code)		C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)					
1 . 32		1 . O		1 . M64					
6.2.2 Off-Site EPA Identification Number (RCRA ID No.)						TXD000719518			
Off-Site Location Name:						TM DEER PARK SERVICES LP			
Off-Site Address:						2525 BATTLEGROUND RD			
City	DEER PARK	County	Harris	State	TX	ZIP	77536	Country (Non-US)	
Is location under control of reporting facility or parent company?						[] Yes [X] No			
A. Total Transfer (pounds/year*) (Enter range code** or estimate)		B. Basis of Estimate (Enter code)		C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)					
1 . 20960		1 . O		1 . M82					
6.2.3 Off-Site EPA Identification Number (RCRA ID No.)						TXD000838896			
Off-Site Location Name:						VEOLIA ES TECHNICAL SOLUTIONS LLC PORT ARTHUR FACILITY			
Off-Site Address:						7665 HWY 73			
City	PORT ARTHUR	County	Jefferson	State	TX	ZIP	77640	Country (Non-US)	
Is location under control of reporting facility or parent company?						[] Yes [X] No			
A. Total Transfer (pounds/year*) (Enter range code** or estimate)		B. Basis of Estimate (Enter code)		C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)					
1 . 10662		1 . O		1 . M50					
6.2.4 Off-Site EPA Identification Number (RCRA ID No.)						TXR000076604			
Off-Site Location Name:						INTERGULF STRANG ROAD FACILITY			
Off-Site Address:						9400 STRANG RD			

City	LA PORTE	County	Harris	State	TX	ZIP	77571	Country (Non-US)	
Is location under control of reporting facility or parent company?						[] Yes [X] No			
A. Total Transfer (pounds/year*) (Enter range code** or estimate)		B. Basis of Estimate (Enter code)		C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)					
1 . 708		1 . O		1 . M56					
SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY									
[] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.									
a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]				c. Waste Treatment Efficiency Estimate				
7A. 1 a	7A. 1 b				7A. 1 c				
W	2 : H121				E4				
7A. 2 a	7A. 2 b				7A. 2 c				
A	2 : A03 3 : H040				E4				

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SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[**X**] NA - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [Enter 3-character code(s)]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[] NA - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [Enter 3-character code(s)]

1. H20

SECTION 8. SOURCE REDUCTION AND WASTE MANAGEMENT					
		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1 - 8.7 Production-Related Waste Managed					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	74947	69120	75000	75000
8.1b	Total other on-site disposal or other releases	33	324	400	400
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	38	32	50	50
8.1d	Total other off-site disposal or other releases	18072	20960	25000	25000
8.2	Quantity used for energy recovery on-site	NA	NA	NA	NA
8.3	Quantity used for energy recovery off-site	NA	708	800	800
8.4	Quantity recycled on-site	NA	2088	3000	3000
8.5	Quantity recycled off-site	NA	NA	NA	NA
8.6	Quantity treated on-site	NA	NA	NA	NA
8.7	Quantity treated off-site	749	10662	15000	15000
8.8	Non-production-related waste managed**		NA		
8.9	<input checked="" type="checkbox"/> Production ratio or <input type="checkbox"/> Activity ratio (select one and enter value to right)		0.91		
8.10	Did your facility engage in any newly implemented source reduction activities for this chemical during the reporting year? If so, complete the following section; if not, check NA.		NA <input checked="" type="checkbox"/>		
	Source Reduction Activities (Enter code(s))	Methods to Identify Activity (Enter code(s))			Estimated annual reduction (Enter code(s)) (optional)
8.10.1	NA				

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** Includes quantities released to the environment or transferred off-site as a result of remedial actions, catastrophic events, or other one-time events not associated with production processes

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Additional optional information on source reduction, recycling, or pollution control activities.

Section 8.11: If you wish to submit additional optional information on source reduction, recycling, or pollution control activities, provide it here.	
Topic	Comment

Section 9.1: If you wish to submit any miscellaneous, additional, or optional information regarding your Form R submission, provide it here.	
Topic	Comment
Production or Activity Variable	Production ratio variable is calculated as follows: (total wastewater injected plus total spent sulfuric acid sent offsite for disposal for the current reporting year)/(total wastewater injected plus total spent sulfuric acid sent offsite for disposal for the previous reporting year)
Dun and Bradstreet Not Applicable	The facility's Dun and Bradstreet number is provided above with the Parent Company Name and D&B number.